

Converting Colors

CIELCh(50, 51.242, 356.564)

Have a look what the booklet for
CIELCh(50, 51.242, 356.564)
contains.

CIELCh(50, 51.177, 356.457)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 51.177, 356.457)

Conversions

Conversions Part 1

Format	Color
Hex	C24E7E
RGB	194, 78, 126
RGB Percent	76%, 31%, 49%
CMY	0.2393, 0.6942, 0.5059
CMYK	0.00, 0.60, 0.35, 0.24
HSL	335°, 49%, 53%
HSV	335°, 60%, 76%
XYZ	28.7307, 18.4187, 21.7738
YIQ	118.1560, 53.7280, 39.5200

Conversions

Conversions Part 2

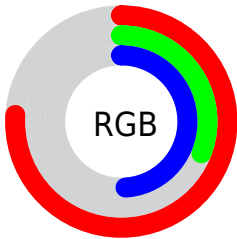
Format	Color
RYB	194, 78, 126
Decimal	12734078
CIELab	50.00, 51.08, -3.16
CIELCh	50, 51.177, 356.457
Yxy	18.4187, 0.4169, 0.2672
Android (android.graphics.Color)	4290924158 (0xFFC24E7E)
YUV	118.1560, 3.8671, 66.5152
Hunter-Lab	42.9170, 44.3920, -0.0388

Details

The CIELCh color **50, 51.177, 356.457** is a dark color, and the websafe version is hex **CC6699**. The color can be described as dark muted rose. A complement of this color would be **71, 46.419, 161.726**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 51.469, 356.297**, and **30, 51.206, 356.805** is the 20% darker color. If you saturate the color by 10%, you get **47, 57.918, 358.871**, and if you desaturate by 10%, it is **54, 43.320, 354.521**.

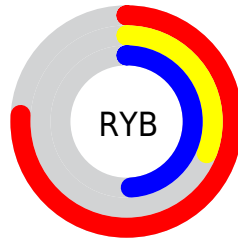
Distribution



Red (76%)

Green (31%)

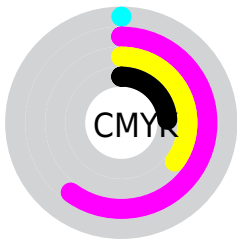
Blue (49%)



Red (76%)

Yellow (31%)

Blue (49%)

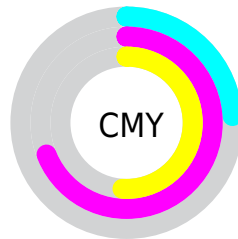


Cyan (0%)

Magenta (60%)

Yellow (35%)

Black (24%)



Cyan (24%)


Magenta (69%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 51.177, 356.457 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 51.177, 356.457 by changing the saturation by 10% instead.


 50, 51.177,
356.457


 50, 51.177,
356.457


 100, 51.177,
356.457


 40, 51.177,
356.457


 70, 51.177,
356.457

 30, 51.177,
356.457


 80, 51.177,
356.457


 20, 51.177,
356.457

 90, 51.177,
356.457

 10, 51.177,
356.457

 0, 51.177, 356.457

 50, 51.177,
356.457

 50, 51.177,
356.457

47, 57.918,
358.871

54, 43.320,
354.521

44, 63.148, 1.922

58, 34.790,
352.929

42, 66.657, 5.784

63, 25.952,
351.588

41, 68.861, 10.427

41, 68.907, 10.522

68, 17.074,
350.431

73, 8.334, 349.400

79, 0.165, 171.149

84, 8.369, 167.808

89, 16.260,
167.055

95, 23.838,
166.382

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 51.177, 356.457



71, 46.419, 161.726

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 51.177, 356.457



50, 51.177, 46.457



50, 51.177, 176.457



50, 51.177, 226.457

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 51.174, 356.458



87, 19.192, 350.269



46, 69.871, 314.535



45, 13.494, 350.591



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 51.174, 356.458



59, 72.971, 359.812



51, 49.471, 32.192



38, 4.816, 349.358



34, 59.864, 9.733



3, 15.184, 357.382

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 51.174, 356.458



59, 72.971, 359.812



69, 30.823, 207.137



38, 4.816, 349.358



34, 59.864, 9.733



3, 15.184, 357.382

Previews

White Background



This preview shows how the CIELCh color 50, 51.177, 356.457 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 51.177, 356.457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

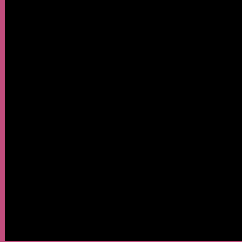
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 51.177, 356.457

Background



This preview shows how black text looks on a background with the CIELCh color 50, 51.177, 356.457.

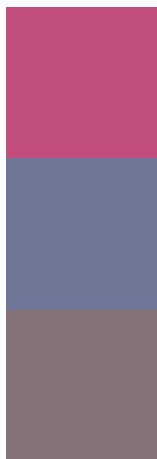


This preview shows how white text looks on a background with the CIELCh color 50, 51.177, 356.457.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50, 51.177, 356.457

Protanopia

50, 19.968, 285.641

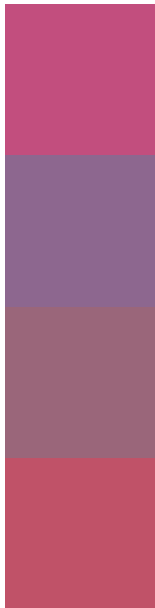
Deuteranopia

50, 6.550, 359.321



Tritanopia
50, 46.592, 22.237

Trichromacy



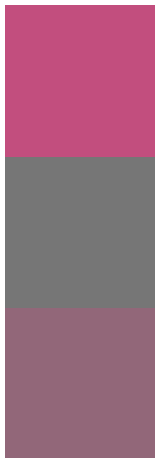
Original Color
50, 51.177, 356.457

Protanomaly
49, 27.547, 324.483

Deuteranomaly
49, 24.070, 353.910

Tritanomaly
50, 47.162, 11.891

Monochromacy



Original Color
50, 51.177, 356.457

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 20.384, 351.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 51.177, 356.457 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(194, 78, 126)` looks like.

```
.text, #text, p{  
    color:rgb(194, 78, 126)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(194, 78, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 78, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 51.177, 356.457 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(194, 78, 126) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(194, 78, 126) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(194, 78, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 78, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 78, 126);  
box-shadow:4px 4px 4px 4px rgb(194, 78,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 51.177, 356.457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 78, 126) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(194, 78,  
126) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor